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(54) ORGANIC ELECTROLUMINESCENCE ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic electroluminescence element having a high heat resistance, and high luminous efficiency, and further to provide a new hydrocarbon compound usable for achieving the element.

SOLUTION: This new hydrocarbon compound is represented by the general formula (1): $X_n\text{Ar}_1$, wherein, Ar_1 is a substituted or unsubstituted 6-40C aromatic ring group, a substituted or unsubstituted 6-40C arylamino group, a substituted or unsubstituted 6-60C diaminoaryl group, a substituted or unsubstituted 6-60C triaminoaryl group, a substituted or unsubstituted 3-40C heterocyclic group or a substituted or unsubstituted ethenylene; X is a monovalent group having a fluoranthene structure; and n is an integer of 2-4. The organic electroluminescence element has at least one layer of an organic compound layer having a luminous layer, containing the new hydrocarbon compound.